Job code 005-17-000046 — Estimated cost Rs. 100.00 Lakhs

0-3122 Annual Project Horticulture

Original/Duplicate/Triplicate (Date: .....)

CONTRACT CERTIFICATE

(For other works)

Date:

Bill No.2nd & part — **Sub-Division AEE (Lakes)**

Division : DCF (Lakes)

Bill Received No: ..... Dated : ..... Cash Book ..... Dated: .....

Schedule Docket No: ..... Voucher No:

Head of Account :

Name of the Work: **Development of Green Spaces and Parks to Vin Field layout main road park, Ward-5 Jakkur, Yelahanka Zone**

Name of the Contractor & Address: **Sri. Mahesh K. N.**

Reference to Agreement No:

Certified that the measurements were taken by me on 7/1/19 and recorded on pages 247901 to 247913 of measurement Book No 2480 and the work is satisfactorily executed.

P.M. Malepadi

Officer in charge of work

ತೋಟಗಾರಿಕೆ ನಿರೀಕ್ಷಕರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Contractor

Certified that the measurement were checked by me on and found correct

The work is satisfactorily executed.

Certified that the Quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Rathmi

Sub Division Officer

ತೋಟಗಾರಿಕೆ ಅಧೀಕ್ಷಕರು

Memorandum of payment

1	Total value of work done or supplies made as per the account within			ಯಲಹಂಕ ವಲಯ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
2	Deduct amount to be held in reserve being ..... percent Rs.			117,32480/=
3	" Balance			7222150/=
4	Deduct payments			
	a) Amount of previous payment as in the office cash book voucher No. ..... Dated ..... No..... cash advance recovery of	Amount adjusted towards		4510330/=
	b) Payments cost store or other materials supplied Now made recovery of amount creditable of this/other work. Amount paid on this bill Cheque/ Cash.	ESP		<45105/=
		IT		<45105/=
		KST		<45105/=
		Royalty		<45105/=
		CBF		<4510/=
		BWF		<47380/=
5	Balance being unpaid value of work done held in reserve.	Cheque		2332310/=
6	Deduct cash advance made on the office Cash Book Voucher No. Dated ..... less adjustments.			4278020/=
7	Net amount due to or from Contractor. Unadjusted items			
8	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.			

Check measured by Deputy Conservator of Forests (Lakes) on In MB No. In page No.

Contractor

Received Rs. .....

(in words) .....

By Cash & by adjustment of Payment as per memorandum

Witness :

1

2

Dated

Stamp

Contractor

Paid by me by Cheque No. ..... Dated:.....

Cash Rs. ..... Dated:.....

Initials of Officer making Payment

Audited and admitted for Rs. 4510330/=

Passed for Rs. 4278020/= Forty two lakhs seventy eight thousand twenty only

For Rs. 2332310/= By Adjustment / Cheque

Deputy Conservator of Forests (Lakes)

A.S.I/A.O Deputy Conservator of Forest Lakes BBMP

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Item code	Item Name	Uni	Approved Qty	Approved Rate	Present measurements Qty	Present measurements Rate	Present measurements Amount	Up to date measurements Qty	Up to date measurements Amount
B)	**HORTICULTURE WORKS:**								
88	Removal of dried leaves solid waste and cleaning of the area,as directed by the engineer inchrge of the area	Sqm	4892.00	4.74	4786.86	4.74	22690/- 22707.63	4786.86	22707.63
89	Digging pits of size 0.75mX0.75mx0.75m for planting of trees filling up to 50% of the pits with top excavated soil & remaining 50% with the mixture of sand (0.007 cum, Fym(0.014 cum), Red earth (0.021 Cum) (i.e, in the preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients.	Each	50.00	257.46	50.00	257.46	12873.17	50.00	12873.17
90	supply and planting trees 5' Height as directed by the engineer incharge of the work	Each	50.00	209.90	50.00	209.90	10495.00	50.00	10495.00
91	Supplying & stocking good quality red earth for filling top layer to a depth of 0.15 m (4892x0.24)=1174cum as directed by the engineer inchrge of the area	Cum	1148.00	460.47	1148.00	460.47	528617.41	1148.00	528617.41
92	Formation of Soil by manual means in gravelly soil including breaking of clods spreading to required line and level forming cost of all materials labour etc,. complete as per specifications (Excluding watering and compaction of earth) with all lead and lift gravelly soil.	Cum	1148.00	132.38	1148.00	132.38	151976.75	1148.00	151976.75
93	Digging pits of size 0.45X0.45x0.45 for planting shrubs in isolated filling up to 50% of the pits with top excavated soil & remaining 50% with the mixture of sand (0.007 cum, Fym(0.014 cum), Red earth (0.021 Cum) (i.e, in the preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients.as directed by the engineer inchrge of the area	Each	1000.00	59.18	1000.00	59.18	59181.31 78710/-	1000.00	59181.31
94	supply and planting trees as directed by the engineer incharge of the work	Each	1000.00	78.71	1000.00	78.71	78712.50	1000.00	78712.50
95	Developing the area for shrubs by digging to a depth of 0.45m, filling 50% with sand (0,0375 cum) FYM (0.075 cum), Red earth (0.21), (i.e in the proportion of 1:2:3) and planting with well established plants exclusive of cost of plants and inclusive of ingredients.	Sqm	2100.00	267.78	1476.12	267.78	395274.81	1476.12	395274.81
96	supply and planting trees as directed by the engineer incharge of the work (5 Plants per sq.m)	Sqm	1500.00	314.85	1476.12	314.85	464755.80	1476.12	464755.80
97	Developing the area for ground cover plants by digging to a depth of 0.45m, filling 50% of the area with excavated top soil & remaining 50% with sand (0.0375 cum), Fym (0.075 cum), Red Earth (0.112 cum). (i.e, in the Preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients (5 plants per sqm)as directed by the engineer inchrge of the area	Sqm	300.00	267.78		267.78			
98	Developing hedges by digging trenches of size 0.45mX0.45m, filling 50% of the trench with excavated top soil & remaining 50% with the mixture of sand (0.0112cum), Fym (0.0224 cum) i.e, in the proportion of 1:2:3) Exclusive of cost of plants & inclusive ingredients.	Rmt	2000.00	87.54	1220.12	87.54	106807.83	1220.12	106807.83
99	supply and planting trees as directed by the engineer incharge of the work (5 Plants per sq.m)	Rmt	2000.00	78.71	1220.12	78.71	96038.70	1220.12	96038.70
100	Providing & forming mound using red earth by filling, spreading and leveling to the required grade as per design	Cum	350.00	380.97	321.60	380.97	122517.99	321.60	122517.99
101	Cleaning the site by scrapping and removing top layer of soil, removing unwanted debris, grass, along with excavated earth to a distance of 500m from the spot, including pathway area Total: area: Sqm x 0.15m=1800	Sqm	2300.00	36.23	2206.96	36.23	79955.53	2206.96	79955.53
102	Earth work digging including removing weeds, debris if any and breaking of clumps watering etc. area Sqm x 0.45as directed by the engineer inchrge of the area	Sqm	2300.00	50.98	2206.96	50.98	112512/- 112521.42	2206.96	112521.42
103	Digging for second time & removing weeds, if any minor leveling to a depth of 0.45mas directed by the engineer inchrge of the area	Sqm	2300.00	25.49	2206.96	25.49	56260.71 56253/-	2206.96	56260.71
104	Supply and stacking good quality red earth etc,. for filling the top layer to depth of 0.15m (1x1x0.15) (2300*0.15=345)as directed by the engineer inchrge of the area	Cum	345.00	460.47	331.04	460.47	152435.49	331.04	152435.49
105	Providing Sand FYM and Red earth in the ratio of 1:3:6 and Spreading to a depth of 7.5cm at the required site.Red earth (0.045cum/sqm) Rs 12.60as directed by the engineer inchrge of the area	Sqm	2300.00	159.19	2206.96	159.19	351322.55	2206.96	351322.55
106	Providing chemical fertilizers like Super Phospates (50 gm/Sq.m:Rs. 0.22/ Sq.m), Neeem oil cake (250gm/Sq.m:Rs. 1.10/Sq.m), Bone meal (250 gm/Sq.m: Rs.2.75/Sq.m), Potash (50 gm/Sq.m:Rs.0.23/ Sq.m), Furodon (25gm/Sq.m: Rs.0.75/ Sq.m), Ammonium Sulphate (100 gm/Sq.m:Rs.0.60/Sq.m) as directed by the engineer incharge of the work. unit is Gm/sqm	gm	2300.00	5.90	2206.96	5.90	13017.09	2206.96	13017.09
107	supply and fixing of Bermuda grass,as directed by the engineer incharge of the work	Sqm	2300.00	10.74	2206.96	10.74	23694.82	2206.96	23694.82
108	Labour cost towards dibbling/laying of lawn inclusive of mixing of ingredients application of manure and spreading (5x5cum)as directed by the engineer inchrge of the area	Sqm	2300.00	42.75	2206.96	42.75	94339.19	2206.96	94339.19

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CONTRACTOR

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Present measurements			Up to date measurements	
					Qty	Rate	Amount	Qty	Amount
109	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areaa)Caryota Urens (240cm-300cm ht)	Each	70.00	2623.75	70.00	2623.75	183662.50	70.00	183662.50
110	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areab)Ficus Benjimina Starlight (90cm-150cm ht)	Each	70.00	2623.75	70.00	2623.75	183662.50	70.00	183662.50
111	c)Ficus Benjimina Black (90cm-150cm ht)Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the area	Each	70.00	2623.75	70.00	2623.75	183662.50	70.00	183662.50
112	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the aread)Ficus Ponda (90cm-150cm ht)	Each	70.00	2623.75	70.00	2623.75	183662.50	70.00	183662.50
113	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areae)Pulmeria Alba (150cm-240cm ht)	Each	71.00	1574.25	20.00	1574.25	31485.00	20.00	31485.00
114	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areaf)Cycas Revoluta a) 90cm Dia, 100 cm ht	Each	20.00	4722.75	20.00	4722.75	94455.00	20.00	94455.00

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BANGALORE - 560002.
PDMC CONTRACTOR

HORTICULTURE INSPECTOR

HORTICULTURE SUPERVISOR

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Present measurements			Up to date measurements	
					Qty	Rate	Amount	Qty	Amount
115	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areag)Raphis Excelsa (60cm -90cn ht)	Each	73.00	1049.50	73.00	1049.50	76613.50	73.00	76613.50
116	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areah)Roystonia Regia (180cm-240cm ht)	Each	70.00	2099.00	70.00	2099.00	146930.00	70.00	146930.00
117	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areai)Dypsis Medagascariensis (120cm-180cm ht)	Each	70.00	472.28	70.00	472.28	33059.25	70.00	33059.25
118	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areaj)Yucca species silver/Filimentosa marginata(Golden)(90cm-150cm ht)	Each	82.00	1574.25	82.00	1574.25	129088.50	82.00	129088.50
119	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areak)Plumeria rubra(150cm -240cm ht)	Each	50.00	1574.25	20.00	1574.25	31485.00	20.00	31485.00
120	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areal)Nalina(elephant foot) (90cm-150cm ht)	Each	50.00	2623.75	50.00	2623.75	131187.50	50.00	131187.50

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- PDMC
CONTRACTOR
P.M. Malapadot
HORTICULTURE INSPECTOR
Rahmi
HORTICULTURE SUPERI
TEAM LEADER - BBMP
AMRUT - PDMC
IPE GLOBAL LTD.
BANGALORE - 560002.
CONTRACTOR
P.M. Malapadot
HORTICULTURE INSPECTOR
Rahmi
HORTICULTURE SUPER

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Item code	Item Name	Unit
121	Providing and fixing of sprinkler system with in the site by using 25mm/10kg, 40mm/6kg, 50mm/6kg good quality PVC pipes, ISI marked sprinklers, control valves and fittings etc,. Including excavation and back filling trenches, (Excluding of Providing Borewell, Electrification & Pump) As per the specification and direction of the concerned officer. Rates may be quoted as per data rate specific to the filed condition.as directed by the engineer inchrge of the area	Each

Approved Qty	Approved Rate	Present measurements			Up to date measurements	
		Qty	Rate	Amount	Qty	Amount
80.00	2099.00	80.00	2099.00	167920.00	80.00	167920.00
				4510379.45		4510379.45

4510330/=

4510330/=

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ALORE - 560002.

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HORTICULTURE SUPERD

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MRUT - PDMC
PE GLOBAL LTD.

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